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Title: **JP3222257A2: MANUFACTURE OF LITHIUM ELECTRODE FOR LITHIUM BATTERY**

Country: **JP** Japan

Kind: **A**

Inventor: **NAGaura TORU;  
YOKOGAWA MASAaki;  
NAKAO TOSHIHIKO;  
SATO KATSUZO;**

Assignee: **SONY CORP.**  
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Published / Filed: **1991-10-01 / 1990-01-25**

Application Number: **JP1990000015768**

IPC Code: **H01M 4/04; H01M 4/64**

Priority Number: **1990-01-25 JP1990000015768**

Abstract:

PURPOSE: To prevent the adhesion of lithium in a rolled state and the breakage of a lithium foil during operation up to battery assembly for efficient operation by press-attaching the lithium foil formed by extrusion directly to a metal collector foil before winding in a rolled state.

CONSTITUTION: A copper foil rolled substance 22 that a copper foil 21 is wound in a rolled state and an extruder 24 for a lithium foil 23 are prepared to have the one face of the copper foil 21, supplied from the copper foil rolled substance 22, and the desired-thickness lithium foil 23, extruded and molded from the extruder 24, faced in opposition, passed through a pair of pressure rollers 25, press-attached to each other and then wound in a rolled state. In this case, for making the lithium foil 23 thin up to a desired thickness, the lithium foil 23 from the extruder 24 is given cold rolling via 4-step rolls 26-29 and cold rolling mechanism 30. It is thus possible to prevent the adhesion of lithium in a rolled state and the breakage of the lithium during operation up to battery assembly for efficient operation.

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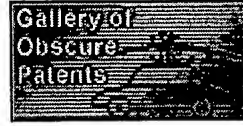
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(11) Publication number:

**03**

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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **02015768**(51) Intl. Cl.: **H01M 4/04 H01M 4/64**(22) Application date: **25.01.90**

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| <p>(30) Priority:</p> <p>(43) Date of application publication: <b>01.10.91</b></p> <p>(84) Designated contracting states:</p> | <p>(71) Applicant: <b>SONY CORP</b></p> <p>(72) Inventor: <b>NAGAURA TORU</b><br/> <b>YOKOGAWA MASAOKI</b><br/> <b>NAKAO TOSHIHIKO</b><br/> <b>SATO KATSUZO</b></p> <p>(74) Representative:</p> |
|---|---|

**(54) MANUFACTURE OF  
LITHIUM ELECTRODE FOR  
LITHIUM BATTERY**

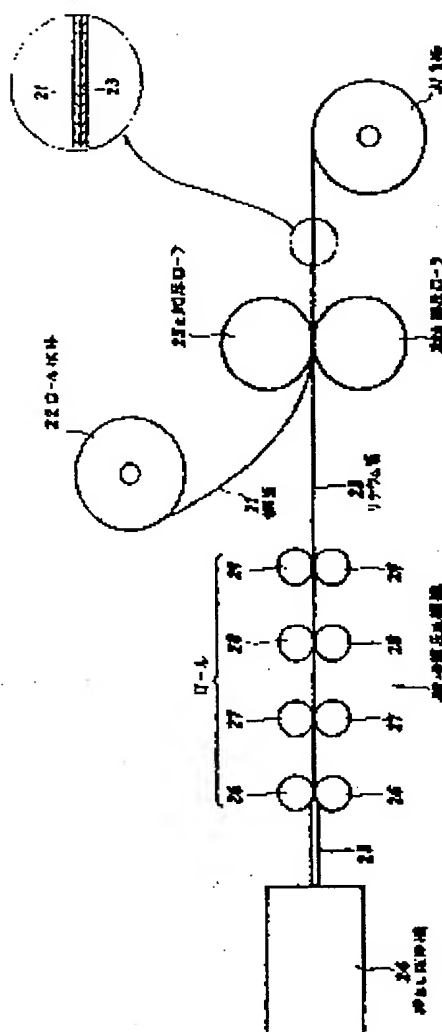
(57) Abstract:

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